



PTO/SB/08a (08-03)
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/699,360
		Filing Date	Oct. 31, 2003
		First Named Inventor	Eric S. Olson
		Art Unit	
		Examiner Name	
Sheet 1	of 12	Attorney Docket Number	TCOM-0012

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
CW		US-4088955	05-09-1978	Baghdady	
CW		US-4309769	01-05-1982	Taylor, Jr.	
CW		US-4359738	11-16-1982	Lewis	
CW		US-4665401	05-12-1987	Garrard et al.	
CW		US-4670885	06-02-1987	Parl et al.	
CW		US-4780885	10-25-1988	Paul et al.	
CW		US-4856025	10-08-1989	Takai	
CW		US-4893316	01-09-1990	Janc et al.	
CW		US-4922506	05-01-1990	McCallister et al.	
CW		US-4933639	06-12-1990	Barker	
CW		US-4965732	10-23-1990	Roy III et al.	
CW		US-5017929	05-21-1991	Tsuda	
CW		US-5099493	05-24-1992	Zeger et al.	
CW		US-5105435	04-14-1992	Stilwell	
CW		US-5109390	04-28-1992	Gilhausen et al.	
CW		US-5119401	06-02-1992	Tsujimoto	
CW		US-5136296	04-04-1992	Roettger et al.	
CW		US-5151919	09-29-1992	Dent	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
CW		EP 0558910 A1	01-25-1993	Blaupunkt-Werke GmbH		435973
CW		EP 0610989 A2	01-31-1994	Phillips Patentverwaltung GmbH		435973
CW		JP2000-13360A	01-14-2000	NEC Corp.		435973
CW		DE 4201439 A1	07-22-1993	Daimler-Benz		435973
CW		DE 4326843 A1	02-16-1995	Richard Hirschmann GmbH & Co		435973

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CW		US- 5218359	06-08-1993	Minamisono	
CW		US- 5218619	06-08-1993	Dent	
CW		US- 5220687	06-05-1993	Ichikawa et al.	
CW		US- 5224122	06-29-1993	Bruckert	
CW		US- 5237586	08-17-1993	Bottomley	
CW		US- 5263191	11-16-1993	Dickerson	
CW		US- 5280472	01-18-1994	Gilhousen et al.	
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CW		US- 5325394	06-28-1994	Bruckert	
CW		US- 5343493	08-30-1994	Karimullah	
CW		US- 5343496	08-30-1994	Honig et al.	
CW		US- 5347535	09-13-1994	Karasawa et al.	
CW		US- 5353302	10-04-1994	Bi	
CW		US- 5386202	01-31-1995	Cochran et al.	
CW		US- 5390207	02-14-1995	Fenton et al.	
CW		US- 5394110	02-28-1995	Mizoguchi	
CW		US- 5396256	03-07-1995	Chiba et al.	
CW		US- 5437055	07-25-1995	Wheatley III	

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		Country Code ⁴ Number ⁴ Kind Code ⁵ (if known)				
CW		DE 4343959 A1	06-29-1995	Richard Hirschmann GmbH & Co		522048
CW		WO 93/12590	06-24-1995	Array-Comm, Inc.		522048
CW		GB 2280575 A	02-01-1995	Roke Manor Research Limited		522048
						522048
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CW		US- 5448600	09-05-1995	Lucas	
CW		US- 5481570	01-02-1996	Winters	
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CW		US- 5533011	04-02-1996	Dean et al.	
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CW		US- 5644592	07-01-1997	Divsalar	
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CW		US- 5930229	07-27-1999	Yoshida et al.	
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						544157
						544157
						548157
						548157
						548157

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CW		US- 5995499	11-30-1999	Hottinen et al.	
CW		US- 6002727	12-14-1999	Uesugi	
CW		US- 6014373	01-11-2000	Schilling et al.	
CW		US- 6018317	01-25-2000	Dogan et al.	
CW		US- 6088383	07-11-2000	Suzuki et al.	
CW		US- 6101385	08-08-2000	Monte et al.	
CW		US- 6104712	08-15-2000	Robert et al.	
CW		US- 6115409	09-05-2000	Upadhyay et al.	
CW		US- 6127973	10-03-2000	Choi et al.	
CW		US- 6131013	10-10-2000	Bergstrom et al.	
CW		US- 6137788	10-24-2000	Sawahashi et al.	
CW		US- 6141332	10-31-2000	Lavaen	
CW		US- 6154443	11-28-2000	Huang et al.	
CW		US- 6157685	12-05-2000	Tanaka et al.	
CW		US- 6157842	12-05-2000	Kaisson et al.	
CW		US- 6157847	12-05-2000	Buehrer et al.	
CW		US- 6163696	12-19-2000	Bi et al.	
CW		US- 6166690	12-26-2000	Lin et al.	

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					801437
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CW		US- 6172969	01-09-2001	Kawakami et al.	
CW		US- 6175587	01-15-2001	Madhow et al.	
CW		US- 6192067	02-20-2001	Toda et al.	
CW		US- 6201799	03-13-2001	Huang et al.	
CW		US- 6215812	04-10-2001	Young et al.	
CW		US- 6219376	04-17-2001	Zhodzishsky et al.	
CW		US- 6222828	04-24-2001	Ohlson et al.	
CW		US- 6230180	05-08-2001	Mohamed	
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CW		US- 6233459	05-15-2001	Sullivan et al.	
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CW		US- 6259688	07-10-2001	Schilling et al.	
CW		US- 6263208	07-17-2001	Chang et al.	
CW		US- 6275186	08-14-2001	Kong	
CW		US- 6278726	08-21-2001	Mesecher et al.	
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						618200
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						618206
						618207
						618208

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CW		US- 6282233	08-28-2001	Yoshida	
CW		US- 6285316	09-04-2001	Nir et al.	
CW		US- 6285319	09-04-2001	Rose	
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	CW	US- 6308072	10-23-2001	Labeledz et al.	
	CW	US- 6310704	10-30-2001	Dogan et al.	
	CW	US- 6317453	11-13-2001	Chang	
	CW	US- 6321090	11-20-2001	Soliman	
	CW	US- 6324159	11-27-2001	Mennekens et al.	
	CW	US- 6327471	12-04-2001	Song	
	CW	US- 6330460	12-11-2001	Wong et al.	
	CW	US- 6333947	12-25-2005	van Heeswyk et al.	
	CW	US- 6351235	02-26-2002	Stilp	
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	CW	US- 6359874	03-19-2002	Dent	
	CW	US- 6362760	03-26-2002	Kober et al.	
	CW	US- 6377636	04-23-2002	Paulraj et al.	

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Substitute for form 1449A/PTO <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; font-size: small;">(Use as many sheets as necessary)</p>	<p style="text-align: center; font-weight: bold;">Complete if Known</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/699,360</td> </tr> <tr> <td>Filing Date</td> <td>Oct. 31, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Eric S. Olson</td> </tr> <tr> <td>Art Unit</td> <td></td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Attorney Docket Number</td> <td>TCOM-0012</td> </tr> </table>	Application Number	10/699,360	Filing Date	Oct. 31, 2003	First Named Inventor	Eric S. Olson	Art Unit		Examiner Name		Attorney Docket Number	TCOM-0012
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CW		US- 6380879	04-30-2002	Kober et al.	
CW		US- 6396804	05-28-2002	Odenwalder	
CW		US- 6430216	08-06-2002	Kober et al.	
CW		US- 6459693	10-01-2002	Park et al.	
CW		US- 20010003443	06-14-2001	Velazquez et al.	
CW		US- 20010020912	09-13-2001	Naruse et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	7 ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
						643021
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/699,360
		Filing Date	Oct. 31, 2003
		First Named Inventor	Eric S. Olson
		Art Unit	
		Examiner Name	
(Use as many sheets as necessary)		Attorney Docket Number	TCOM-0012
Sheet 8	of 12		

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
CW		US-6584115	06-24-2003	Suzuki	
CW		US-6266529	07-24-2001	Chheda	
CW		US-5978413	11-02-1999	Bender	
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CW		US-6363104	03-26-2002	Bottomley	

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						507841
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Sheet	9	of	12

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CW		MITRA, ET AL., Adaptive Decorrelating Detectors for CDMA Systems, Accepted for Wireless Communications Journal, Accepted May 1995	
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		Filing Date	Oct. 31, 2003
		First Named Inventor	Eric S. Olson
		Art Unit	
		Examiner Name	
Sheet 10 of 12	Attorney Docket Number	TCOM-0012	

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CW		VERDU, Minimum Probability of Error for Asynchronous Gaussian Multiple-Access Channels, IEEE Transactions on Information Theory, Jan. 1986, Vol. IT-32, No. 1	

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		Filing Date	Oct. 31, 2003
		First Named Inventor	Eric S. Olson
		Art Unit	
		Examiner Name	
Sheet 11 of 12	Attorney Docket Number	TCOM-0012	

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CW		KAPLAN, Understanding GPS - Principles and Applications, 1996, pgs. 83-236, Artech House, Norwood, MA, US	
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				Application Number	10/699,360
				Filing Date	Oct. 31, 2003
				First Named Inventor	Eric S. Olson
				Art Unit	
				Examiner Name	
Sheet	12	of	12	Attorney Docket Number	TCOM-0012

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